

**REMARKS**

Several claims have been amended in accordance with the Examiner's suggestions as discussed in more detail below. The amendments should not be viewed as acquiescence in the merits of the rejections. Applicants respond to the Examiner's rejections using the paragraph numbering of the office action.

1. Applicants have corrected all of the typographic errors noted by the Examiner and have canceled withdrawn claims 1-47.

2.1

1. No reply is needed.

2. Applicant has amended the claims as suggested.

3. Applicant has amended the claims to insert the word "comprising" as the Examiner has suggested.

2.2. No reply is needed.

2.3A. Applicants have amended claims 48, 51-57, 130-137, 138-145 and 154-161 essentially in accordance with the Examiner suggestion. However, applicant has further characterized the isolated nucleic acid by the recital encoding a beta secretase to make clear that the "consisting of" transition following nucleic acid applies to the nucleic acid encoding a beta secretase and does not exclude the presence of unrelated (e.g., vector sequences) as are in fact recited to be present in dependent claims.

2.3B. Claims 58, 190, 196, and 206 have been similarly amended as described in paragraph 2.3A.

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Amdt. dated April 5, 2007  
Reply to Office Action of December 5, 2006

PATENT

2.4 Claims 64-67, 278-281, 297-300, 335-338 have been similarly amended as described in paragraph 2.3A.

2.5 Double patenting

To facilitate review of any other double patenting issues, applicants list other applications and patents for consideration: US 6,627,739, US 7,067, 271, US 7,115,410 09/471,669, 11/069,377, 11/089,918, 09/724,568, 09/723,722, 11/090,866, 11/090,399, and 11/090,872.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,



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